SYSTEM AND METHOD
FOR MANIPULATING HAVi
SPECIFICATION VIRTUAL KEY DATA

5   **ABSTRACT OF THE INVENTION**

Methods are provided for the maintaining

HEventRepresentation virtual keys in a device using HAVi

specification protocols. The first method comprising: from a HAVi

level two (L2) graphical user interface (GUI), accessing a JAR file; and,

10   in response to accessing the JAR file from read only memory (ROM),

retrieving virtual key information as a static class or data array. The

second method comprises: from a HAVi L2 GUI, accessing a Java

input/output (I/O) ResourceBundle; and, in response to accessing the

ResourceBundle, retrieving virtual key information stored in an I/O

15   device such as a hard disk or Flash memory. The third method

comprises: from a HAVi L2 GUI, calling a Java native interface (JNI);

at the JNI, using Java byte codes to call a storage driver; from the

storage driver, accessing a mapped memory stored in binary format in

an electrically erasable programmable read only memory (EEPROM);

20   and, in response to accessing the mapped memory, retrieving virtual

key information.